	U.S. Patent and Trademan	ck Office: U.S. DEPARTMENT OF COMMERCE		
Substitute for Form 1449A/PTO	Application Number	10/790,959		
	Filing Date	March 1, 2004		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	First Named Inventor	Takemori TAKAYAMA		
E.	Group Art Unit	1742		
APR 17 2007 3	Examiner Name	Deborah YEE		
sheet of 1	Attorney Docket Number	03773/HG		

## U.S. PATENT DOCUMENTS

Exam. Inite*	Cite No¹	Document Number	Kind Code²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
0	,	2002/0029597 09/14513		CHOE et al.	03-14-2002	
101	ľ	3,663,314		MONMA et al.	05-16-1972	
Ot.		5,413,643	A	MURAKAMI et al.	05-09-1995	
Ya		5,085,733	A	MITAMURA	02-04-1992	
M		6,309,475	B1	TAKAYAMA et al.	10-30-2001	
οj		6,224,688	B1	TAKEMURA et al.	05-01-2001	
0.4	/	6,171,414	B1	MITAMURA et al.	01-09-2001	
0~/	1	5,338,377	A	MITAMURA et al.	08-16-1994	
W		6,413,328	B2	TAKAYAMA et al.	07-02-2002	

## FOREIGN PATENT DOCUMENTS

Exam Inits	Cite No <sup>1</sup>	Offc,	Document Number4	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
79		JP	10-259470	A	AICHI STEEL WORKS LTD; TOYOTA MOTOR CORP	09-29-1998		a
DY		JP	6-017224	A	KOBE STEEL LTD	01-25-1994		a
DY		JP	2000-265241	A	DAIDO STEEL CO LTD	09-26-2000		a
DY		JР	2000-301458	A	ISUZU MOTORS LTD; ANDOU HASHIRA	10-31-2000		a
M		JP	2002-030344	A	ISUZU MOTORS LTD	01-31-2002		a
Ya		EP	0 950 723	A1	KOMATSU LTD	10-20-1999		
Ya		JР	60-162726	A	OGINO et al.	08-24-1985		a
100		JP JP JP	2-173241 60-25736 57-85953	A A A	HIRAI et al. URITA et al. IIJIMA et al.	07-04-1990 02-01-1994 05-28-1982		a a a

Examiner Signature Date Considered 6-10-07

<sup>•</sup> EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&#</sup>x27;Unique citation designation number. 'See kinds of U.S. Patent Documents.' Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.' Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Place a check here if English translation is attached.

DATE: April 17, 2007 - a ENGLISH-LANGUAGE ABSTRACT ENCLOSED.

IDS FORM A 2007							Office: U.S. DEPARTMENT OF COMMERCE 10/790,959				
JUN 0 4 2007			Fili	Filing Date			March 1, 2004				
	RMATE	SI CEA	ISEZOSI APPLIC		Firs	t Na	amed Inventor	Takemori TAKAYAMA			
					Group Art Unit			1742			
					Exam	Examiner Name			oorah YEE		
Sheet		1	of	2	Atto	rney	y Docket Number	037	773/HG		
				υ	.s. P	ATE	NT DOCUMENTS	·			
Exam. Inits*	Cite No <sup>1</sup>	Document Number			Ki Cod	nd de²	Name of Patentee o Applicant	r	Publication Date MM-DD-YYYY	Relevar Portio	
M		2006	/001651	9	A	1	TAKAYAMA		01-26-2006		
1'		2006/0021679 2002/0029597			A	1	TAKAYAMA et al.		02-02-2006		
					A	ı	CHOE et al.		03-14-2002		
		5,413,643 5,085,733 6,309,475 6,224,688					MURAKAMI et al.		05-09-1995		
						İ	MITAMURA	ļ	02-04-1992		
						B1 TAKAYAMA et al.			10-30-2001		
1						1	TAKEMURA et al.		05-01-2001		
				FO	REIGN	PA	TENT DOCUMENTS				
Exam Inits'	Cite No¹	Offc <sup>3</sup>	Documen	t Number4	Ki Cod	nd le <sup>5</sup>	Name of Patentee or Applicant	r	Publication Date MM-DD-YYYY	Relevant Portion	Т
ra		JP	60-585	4	А		ITO		01-12-1985		a
1		EP	0 950	723	AI	ı	KOMATSU LTD.		10-20-1999		
		JР	60-162	726	A		OGINO et al.		08-24-1985		a
		JР	4-2173	241	A		HIRAI et al.		07-04-1990		a
		JР	60-257	36	А		URITA et al.		02-01-1994		a
)		JР	2-1859	54	А		HIRAI et al.		07-20-1990		a
Ī											

<sup>\*</sup> EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Considered

DATE: <u>JUNE 4, 2007</u>

Signature

<sup>&#</sup>x27;Unique citation designation number. 'See kinds of U.S. Patent Documents.' Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Place a check here if English translation is attached.

a ENGLISH-LANGUAGE ABSTRACT ENCLOSED.

Please type a plus sign (+) inside this box → U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE 10/790,959 Application Number IDS FORM March 1, 2004 Filing Date INFORMATION DISCLOSURE Takemori TAKAYAMA First Named Inventor STATEMENT BY APPLICANT 1742 Group Art Unit Deborah YEE Examiner Name 2 03773/HG Attorney Docket Number Sheet of U.S. PATENT DOCUMENTS Kind Name of Patentee or Publication Relevant Cite Exam. No Document Number Code<sup>2</sup> Inits Applicant Date MM-DD-YYYY Portion 6,171,414 B1 MITAMURA et al. 01-09-2001 7,083,688 B2 ASANO et al. 08-01-2006 FOREIGN PATENT DOCUMENTS

Exam Inits'	Cite No <sup>1</sup>	Offc <sup>3</sup>	Document Number	Kind Code⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T6
Ya		JР	10-259470	A	AICHI STEEL WORKS LTD. et al.	09-29-1998		a
1		JP	60-17224	A	KOBR STEEL LTD	01-25-1994		а
		JР	2000-265241	A	DAIDO STEEL CO LTD	09-26-2000		a
	i	JР	2000-301458	A	ISUZU MOTORS LTD et al.	10-31-2000		а
1		JP	2002-030344	A	ISUZU MOTORS LTD	01-31-2002		a
						!		
						1		

\* EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date

DATE: <u>June 4, 2007</u>

Examiner

¹ Unique citation designation number. ² See kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴ Place a check here if English translation is attached.

a ENGLISH-LANGUAGE ABSTRACT ENCLOSED